REPLACEMENT SHEET



1 1	Met An	rg Sei GC TCC	Ser TCC	Lys AAG	Asn AAC	Val GTC	Ile ATC	Lys AAG	Glu GAG	Phe TTC	Met ATG	Arg CGC	Phe TTC	Lys AAG	Val GTG		16 48
17 49	Arg Me																32 96
33 97	Gly GI								Asn	Thr	Val		Leu	Lys			48 144
49 145	Thr Ly	AG GGC	Gly GGC	Pro CCC	Leu CTG	CCC	TTC	GCC	TGG	GAC	ATC	CTG	TCC	CCC	CAG	-02	64 192
65 193	Phe GI	ln Tyr AG TAC	Gly GGC	Ser TCC	Lys AAG	Val	Tyr	Val	Lys	His	Pro	Ala	Asp	Ile	for I Pro CCC	283	80 240
81 241	Asp Ty GAC TA							GAG	GGC	TTC	AAG	TGG	GAG	CGC	GTG	~15	96 288
97 289	Met As	sn Phe AC TTO	Glu GAG	Asp GAC	Gly GGC	Gly GGC	GTG	Val GTG	Thr	Val GTG	Thr	Gln	Asp	Ser	nd Ad Ser TCC	343	112 336
113 337	Leu GI						Tyr	Lys		Lys	Phe						128 384
129 385	Phe Pr	ro Sei	Asp GAC	Gly GGC	Pro CCC	Val GTG	Met ATG	Gln CAG	Lys AAG	Lys AAG	Thr ACC	Met ATG	Gly GGC	Trp TGG	Glu GAG		144 432
145 433	Ala Se	CC ACC	GAG	CGC	Leu CTG	Tyr TAC	Pro CCC	Arg CGC	Asp GAC	Gly GGC	Val GTG	Leu CTG	Lys AAG	Gly GGC	Glu GAG		160 480
161 481	Thr (AC Ile Hi ATC CA	is Lys	Ala GCC	Leu CTG	AĀG	CTG	AAG										176 528
177 529	Phe Ly		Ile		Met	Ala	Lys										192 576
193 577	Tyr Ty			Ser		Leu	Asp	Ile	Thr	Ser	His	Asn	Glu	Asp	Tyr		208 624
209 Thr 625 ACC (SEQ II	ATC G	rg gag	CAG	Tyr TAC	Glu GAG	Arg CGC	Thr ACC	Glu GAG	Gly GGC	Arg CGC	His CAC	His CAC	Leu CTG	Phe TTC	Leu CTG	*** TAA	229 678

IN 21 MIN FIGURE 9

REPLACEMENT SHEET

GGA TCC GCT CAG TCA GAG CAC GGT CTA ACA GAA GAA ATG ACA ATG AAA E 0 S \mathbf{E} Н G L TAC CGT ATG GAA GGG TGC GTC GAT GGA CAT AAA TTT GTG ATC ACG GGA Н K С V D G G GAG GGC ATT GGA TAT CCG TTC AAA GGG AAA CAG GCT ATT AAT CTG TGT F ĸ K 0 Α Υ P G GTG GTC GAA GGT GGA CCA TTG CCA TTT GCC GAA GAC ATA TTG TCA GCT D F Α E G P L P GCC TTT ATG TAC GGA AAC AGG GTT TTC ACT GAA TAT CCT CAA GAC ATA G N R V F Т Ε Y GTT GAC TAT TTC AAG AAC TCG TGT CCT GCT GGA TAT ACA TGG GAC AGG K N S С Ρ Α G Y TCT TTT CTC TTT GAG GAT GGA GCA GTT TGC ATA TGT AAT GCA GAT ATA D G Α V С I С ACA GTG AGT GTT GAA GAA AAC TGC ATG TAT CAT GAG TCC AAA TTC TAT M Y Н E E N С GGA GTG AAT TTT CCT GCT GAT GGA CCT GTG ATG AAA AAG ATG ACA GAT Ρ Α D G Ρ AAC TGG GAG CCA TCC TGC GAG AAG ATC ATA CCA GTA CCT AAG CAG GGG С E K I Ι Ρ E S ATA TTG AAA GGG GAT GTC TCC ATG TAC CTC CTT CTG AAG GAT GGT GGG V M Υ L L L K K G D S CGT TTA CGG TGC CAA TTC GAC ACA GTT TAC AAA GCA AAG TCT GTG CCA S T V Y K Α K R C 0 F D AGA AAG ATG CCG GAC TGG CAC TTC ATC CAG CAT AAG CTC ACC CGT GAA K L Ρ D W Н F Ι Q Η GAC CGC AGC GAT GCT AAG AAT CAG AAA TGG CAT CTG ACA GAA CAT GCT K N Q K W H L F. ATT GCA TCC GGA TCT GCA TTG CCC TGA AAGCTT P * HindIII (SEQ ID NO:15 & 16) S Α L

JUL 21 ME E

REPLACEMENT SHEET

FIGURE 10

GGA TCC GCC CAC AGC GAG CAC GGC CTG ACC GAG GAG ATG ACC ATG AAG S E Н G L Т E E M Т TAC CAC ATG GAG GGC TGC GTG AAC GGC CAC AAG TTC GTG ATC ACC GGC G Н K F G С V N V GAG GGC ATC GGC TAC CCC TTC AAG GGC AAG CAG ACC ATC AAC CTG TGC Y P F K G K GTG ATC GAG GGC GGC CCC CTG CCC TTC AGC GAG GAC ATC CTG AGC GCC G P L P F S GGC TTC AAG TAC GGC GAC CGG ATC TTC ACC GAG TAC CCC CAG GAC ATC I F Т E Y D R G GTG GAC TAC TTC AAG AAC AGC TGC CCC GCC GGC TAC ACC TGG GGC CGG C P A G F K N S AGC TTC CTG TTC GAG GAC GGC GCC GTG TGC ATC TGT AAC GTG GAC ATC Α V C I C N E D G ACC GTG AGC GTG AAG GAG AAC TGC ATC TAC CAC AAG AGC ATC TTC AAC K E N C Ι Y H GGC GTG AAC TTC CCC GCC GAC GGC CCC GTG ATG AAG AAG ATG ACC ACC G P V M K AAC TGG GAG GCC AGC TGC GAG AAG ATC ATG CCC GTG CCT AAG CAG GGC I M P P K С K ATC CTG AAG GGC GAC GTG AGC ATG TAC CTG CTG CTG AAG GAC GGC GGC M CGG TAC CGG TGC CAG TTC GAC ACC GTG TAC AAG GCC AAG AGC GTG CCC F D Т Y 0 AGC AAG ATG CCC GAG TGG CAC TTC ATC CAG CAC AAG CTG CTG CGG GAG E W н F Т 0 Н GAC CGG AGC GAC GCC AAG AAC CAG AAG TGG CAG CTG ACC GAG CAC GCC W 0 L D Α K N 0 K ATC GCC TTC CCC AGC GCC CTG GCC TGA AAGCTT (SEQ ID NOS: 17 & 18) A * HindIII F Ρ S Α L

REPLACEMENT SHEET



GGA TCC GCC TCC CTG CTG ACC GAG ACC ATG CCC TTC AGG ACC ACC ATC BamHI A S L L T E T M P F R GAG GGC ACC GTG AAC GGC CAC TAC TTC AAG TGC ACC GGC AAG GGC GAG E G T V N G H Y F K GGC AAC CCC CTC GAG GGC ACC CAG GAG ATG AAG ATC GAG GTG ATC GAG G N P L E G T Q E M K Ι GGC GGC CCC CTG CCC TTC GCC TTC CAC ATC CTG TCC ACC TCC TGC ATG G G P L P F A F H I L S TAC GGC TCC AAG GCC TTC ATC AAG TAC GTG TCC GGC ATC CCC GAC TAC K A F I K Y V S G I P D TTC AAG CAG TCC CTC CCC GAG GGC TTC ACC TGG GAG CGC ACC ACC ACC LPEGFTWERTT TAC GAG GAC GGC GGC TTC CTG ACC GCC CAC CAG GAC ACC TCC CTG GAC \mathtt{F} \mathtt{L} H Q G т А GGC GAC TGC CTG GTG TAC AAG GTG AAG ATC CTG GGC AAC AAC TTC CCC K Ι GCC GAC GGC CCC GTG ATG CAG AAC AAG GCC GGC CGC TGG GAG CCC TCC M N K Α 0 ACC GAG ATC GTG TAC GAG GTG GAC GGC GTG CTG CGC GGC CAG TCC CTG V G Y E D ATG GCC CTG GAG TGC CCC GGC GGT CGC CAC CTG ACC TGC CAC CTG CAC P G R Н L E C G ACC ACC TAC CGC TCC AAG AAG CCC GCC TCC GCC CTG AAG ATG CCC GGC P ${f L}$ S K K Α S Α TTC CAC TTC GAG GAC CAC CGC ATC GAG ATC CTG GAG GAG GTG GAG AAG I E D Н R I $_{
m L}$ E F. GGC AAG TGC TAC AAG CAG TAC GAG GCC GCC GTG GGC CGC TAC TGC GAC K Q Y E Α Α V G Y GCC GCC CCC TCC AAG CTG GGC CAC AAC TGAAGCTT S K L G H N * HindIII (SEQ ID NO:21 & 22)

REPLACEMENT SHEET



FIGURE 13

ATG GCC TCC CTG CTG ACC GAG ACC ATG CCC TTC AGG ACC ACC ATC Ε Т Μ Ρ F R Т GAG GGC ACC GTG AAC GGC CAC TAC TTC AAG TGC ACC GGC AAG GGC GAG N G Н Y F K GGC AAC CCC CTC GAG GGC ACC CAG GAG ATG AAG ATC GAG GTG ATC GAG G Т Ε Μ K Ε 0 GGC GGC CCC CTG CCC TTC GCC TTC CAC ATC CTG TCC ACC TCC TGC ATG Н Ι L F F Α TAC GGC TCC AAG GCC TTC ATC AAG TAC GTG TCC GGC ATC CCC GAC TAC Y V K S G Α F Ι TTC AAG CAG TCC CTC CCC GAG GGC TTC ACC TGG GAG CGC ACC ACC ACC F Т W S L Ρ Ε G TAC GAG GAC GGC GGC TTC CTG ACC GCC CAC CAG GAC ACC TCC CTG GAC G F L Т Α Н 0 GGC GAC TGC CTG GTG TAC AAG GTG AAG ATC CTG GGC AAC AAC TTC CCC V Y K V K Τ G GCC GAC GGC CCC GTG ATG CAG AAC AAG GCC GGC CGC TGG GAG CCC TCC N K Α G R ACC GAG ATC GTG TAC GAG GTG GAC GGC GTG CTG CGC GGC CAG TCC AGC Y Ε G ATG GCC CTG GAG TGC CCC GGC GGT CGC CAC CTG ACC TGC CAC CTG CAC L Ε С P G G R Н ACC ACC TAC CGC TCC AAG AAG CCC GCC TCC GCC CTG AAG ATG CCC GGC K K K P Α S Α L Y R S TTC CAC TTC GAG GAC CAC CGC ATC GAG ATC CTG GAG GAG GTG GAG AAG E D Н R Т Ε Т Τ. Ε Ε GGC AAG TGC TAC AAG CAG TAC GAG GCC GCC GTG GGC CGC TAC TGC GAC V G R Y Ε Α Α С Y K Q Y GCC GCC CCC TCC AAG CTG GGC CAC AAC TGA A A P S K L G H N (SEQ ID NO:23 & 24)